

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Back Matter

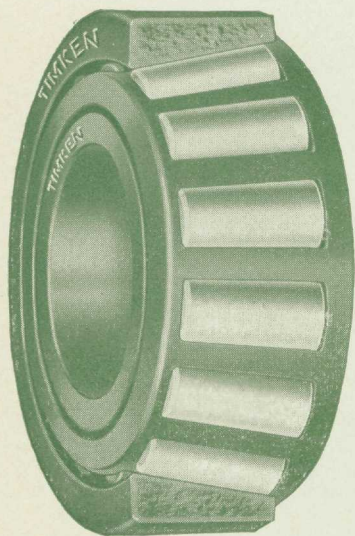
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TIMKEN is a Basic Principle of Modern Machine Design

The use of Timken Tapered Roller Bearings is a basic principle in the design of all types of industrial machinery, and student engineers will find it well worth while to study their possibilities in conjunction with the modern anti-friction necessities which they are required to meet.

Timken Bearings provide the highest possible degree of anti-friction efficiency...but more than that, they furnish complete protection against each and every type of load which may be encountered—radial loads, thrust loads or both together in any combination.

This all-load ability is found in the basic design of the Timken Bearing, through the exclusive combination of Timken tapered construction, Timken positively aligned rolls and Timken-made steel.

In future years machine operating speeds will be higher, loads will be heavier and the necessity for accuracy even more exacting than it is now, but engineers who know their Timkens will be able to comply with all production demands at the lowest possible cost. The Timken Roller Bearing Company, Canton, Ohio.

TIMKEN
Tapered
ROLLER BEARINGS

Light is the first of painters.
— EMERSON

BUILDINGS in Which You Take Pride

ON THE CAMPUS, where class buildings and memorial structures are so often distinguished by their noble form, floodlighting equipment serves to prolong the enjoyment of their beauty and to enhance pride in the institution. » » Such an application is made for the new 165-foot campanile at South Dakota State—magnificent gift of an alumnus. Electrically operated chimes sound the hours and are heard in concerts. At night, shafts of

light from General Electric floodlighting projectors effect a picture of superb beauty done in the school colors and white. From the air, the tower is identified by the beam from a G-E airway beacon surmounting the floodlighted dome. » » Thus, G-E equipment plays its part in promoting progress and fine appreciation. Back of every G-E product is an organization in which college-trained men are largely responsible for the planning, production, and distribution.



*Drawing of the Coughlin Campanile at South Dakota State College,
Brookings, S. D. Perkins and McWayne, architects*

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